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Claims 1-157(Cancelled)

Claim 158 (Currently Amended)

the group consisting of bromodiffuoroiodomethane, chlorodiffuoroiodomethane, 1,1,2,2,3,3,4,4,5,5-decaffuoro-1,5-difodopentane, diffuoroiodomethane, diffuoroiodomethane, 1,2,2,3,3,4,4,5,5,6,6,-dodecaffuoro-1,6-difodopentane, fluoroiodomethane, 1,1,2,2,3,3,4,4,5,5,6,6,-dodecaffuoro-1,6-difodopentane, fluoroiodomethane, 1,1,2,2,3,3,3-heptaffuoro-2-iodopropane, 1,1,2,2,3,3,3-heptaffuoro-1-iodopropane, 1,1,2,2,3,3,3-heptaffuoro-1,3-difodopropane, 1-iodopentaffuorocyclopropane, iodopentaffuorocyclopropane, 1-iodopentaffuorocyclopropane, 1-iodopentaffuorocycl

Claim 159-168(Cancelled)

Claims 169(Currently Amended)



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169. The [A] method of claim 185, wherein the [using a fire extinguishing agent, comprising the steps of

- (a) placing the agent in a discharge apparatus; and
- (b) discharging a fire-extinguishing amount of the agent from the discharge apparatus into contact with a combustible or flammable material, wherein the agent consists essentially of an azcotropic or near azcotropic blend of at least one additive selected from the group consisting of hydrofluorocarbons, perfluorocarbons and fluorocthers, and all fluorociodocarbon is selected from the group consisting of bromodifluorocodomethane, chlorodifluorociodomethane, 1,1,2,2,3,3,4,4,5,5-decafluoro-1,5-diodopentane.

1,2,2,3,3-4,4,5,5,6,6-dodecafluoro-1,6-diiodohexane.

1,1,2,2,3,3-bexafluoro-1,3-diiodopropane, 1-iodoheptafluorocyclobutane.

1-iodopentadecafluoroheptane. iodopentafluorocyclopropane, 1-iodoundecafluoropentane, N-iodobis(trifluoromethyl)amine, 1,1,2,2,3,3,4,4-nonafluoro-1-iodobutane, 1,1,2,2,3,3,4,4-octafluoro-1,4-diiodobutane, 1,1,2,2-tetrafluoro-1,2-diiodoethane, and trifluoromethyl-1,1,2,2-tetrafluoro-2-iodoethyl ether.

Claims 170(Cancelled)

Claims 171(Currently Amended)

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171. The method of claim 186 [170], wherein the fluoroiodocarbon is selected from group consisting of bromodiffuoroiodomethane, chlorodifluoroiodonichane. 1.1,2,2,3,3,4,4,5,5-decaffnoro-1,5-dijodopentane, difluorodifodomethane, difluoroiodomethane, 1.2.2.3.3.4.4.5.5.6.6-dodecafluoro-1.6-diiodottexane. fluoroiodomethane, 1,1,1,2,3,3,3-heptafluoro-2-jodopropane, 1,1,2,2,3,3,3-heptafluoro-1-1,1,2,2,3,3-hexaffuoro-1,3-diiodopropane, icdopropane. 1-iodoheptadecaffuorr octane. iodoheptafluorocyclobutane, 1-iodopentudecsfluoroheptane, iodopentufluorocyclopropane, 1iodotridecassuorobexane, 1-iodoundecassuoropentane, N-iodobis (trissuoromethyl amine, 1,1,2,2,3,3,4,4,4-nonafluoro-1-iodobutane, 1,1,2,2,3,3,4,4-ectafluoro-1,4-diiodobutane, penualiuoroiodoethane, 1,1,2,2-tetrafinoro-1,2-diiodoethane, 1,1,2,2-tetrafinoro-1-iodoethane. 1,1,2-triffaoro-1-iodoctkane, triffaoroiodomethane, and triffaoromethyl-1,1,2,2-tetraff 10ro-2iodoethyl ether.

Claims 172-176(Cancelled)

Claims 177-179(Currently Amended)

- 177 The [A] method of claim 186, wherein Jusing a fire extinguishing agent, comprising the steps of:
 - (a) placing the agent in a discharge apparants; and

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discharging a fire extinguishing amount of the agent from the discharge apparatus into contact with a combustible or flammable material, wherein the agent comprises a blend of a fluoroiodocarbon and at least one additive,] the fluoroiodocarbon [being] is selected from the group consisting of bromodifluoroiodomethane, chlorodifluoroiodomethane, 1,1,2,2,3,3,4,4,5,5-decaffuoro-1,5-diiodopentane, 1,2,2,3,3,4,4,5,5,6,6-dodecaffuoro-1,6-diiodohexane, 1,1,2,2,3,3-hexaffuoro-1,3-diiodopropane, 1-iodoheptadecaffuorocyclobutane, 1-iodopentadecaffuoroheptane, iodopentaffuorocyclopropane, 1-iodoheptaffuorocyclobutane, 1-iodopentadecaffuoroheptane, iodopentaffuorocyclopropane, 1-iodobutane, 1,1,2,2,3,3,4,4-nonaffuoro-1-iodobutane, 1,1,2,2,3,3,4,4-nonaffuoro-1-iodobutane, 1,1,2,2-tetraffuoro-1,2-diiodoethane and triffuoromethyl-1,1,2,2-tetraffuoro-2-iodoethyl ether[, and the additive being selected from the group consisting of hydroffuorocarbons, perfluorocarbons and fluoroethers].

178. The method of claim 185 (157), wherein the fluoroiodocarbon is of the formula $C_sH_sBr_cCl_aF_cl_iN_cO_s$, wherein a is between and including 1 and 8, b is between and including 0 and 2, c, d, g, and b are each between and including 0 and 1, e is between and including 1 and 17, and f is between and including 1 and 2.

179. The method of claim 185 [157], wherein the fluoroiodocarbon is selected from the group consisting of CF₃I, CF₃CF₃CF₃I and CF₃CF₃CF₃CF₃I.

Claims 180-182(Cancelled)

Claims 183-184(Previously presented)

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183. (NEW) A method of using a fire extinguishing agent, comprising the steps of:

(a) providing a fire-extinguishing agent consisting essentially of an azeotropic or near azeotropic blend of fluoroiodocarbon and at least one fluoroether in a discharge apparatus; and

(b) discharging a fire-extinguishing amount of the fire-extinguishing agent from the discharge apparatus into contact with a combustible or flammable material.

184. (NEW) A method of using a fire extinguishing agent, comprising the steps of:

(a) providing a fire-extinguishing agent comprising a blend of a fluoroiodocarbon and at least one fluoroether in a discharge apparatus; and

(b) discharging a fire-extinguishing amount of the fire-extinguishing agent from the discharge apparatus into contact with a combustible or flammable material.

Claims 185-188(New)

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-186. (NEW) A method of using a fire extinguishing agent, comprising the steps of:

- (a) providing a fire-extinguishing agent comprising a blent of a fluoroiodocarbon and at least one fluoroether in a discharge apparatus; and
- (b) discharging a fire-extinguishing amount of the fire-extinguishing agent from the discharge apparatus into contact with a combustible or flammable material,

wherein the fluoroether is selected from the group consisting of bis-difluoremethyl ether, methyl trifluoromethyl ether, octaffuoro-1,3-dioxulane, 1,1,2',2',2'-pentaffuoro methyl ether, perfluorodimethoxymethane, perfluorodimethyl ether, perfluorocetane, difluoromethyl trifluoromethyl ether, trifluoromethyl pentaffuoroethyl ether and trifluoromethyl 1,1,2,2-tetraffuoroethyl ether.—

-187. The method of claim 186, wherein the fluorofodocarbon is of the formula C_iH_bBr_cCl_iF_cI_iN_aO_b, wherein a is between and including 0

and 2, c, d, g, and h are each between and including 0 and 1, e is between and including 1 and 17, and f is between and including 1 and 2.—

-188. The method of claim 186, wherein the fluoraiodocarbon is selected from the group consisting of CF₃I, CF₃CF₂CF₂I and CF₃CF₂CF₃CF₃I.